

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           **Claim 1 (currently amended):** A jet burner ~~for gaseous~~  
2       ~~fuels~~ with a ~~gas~~ fuel supply and a burner surface permeable  
3       ~~for said by a gaseous fuel~~ and on which said gaseous fuel  
4       burns, ~~WHEREIN~~ said burner surface (1) ~~is constructed~~  
5       ~~heterogeneously and comprises at least two different~~  
6       ~~surface areas, wherein one or several comprising:~~

7           first surface areas (3) ~~are provided on masses of foam~~  
8       ceramics, said first surface areas being permeable for by  
9       said gaseous fuel, ~~whereas one or several and~~

10          second surface areas (2) ~~are provided on a ceramic~~  
11       plate, said ceramic plate being impermeable for by said  
12       gaseous fuel,

13          wherein said masses of foam ceramic are held in said  
14       ceramic plate.

1           **Claim 2 (currently amended):** The jet burner as  
2       defined in claim 1, ~~WHEREIN~~ wherein a plurality of first  
3       surface areas (3) are imbedded in a second surface area  
4       (2).

1           **Claim 3 (currently amended):** The jet burner as

2 defined in claim 1 ~~or 2, WHEREIN~~ wherein a dimension said  
3 ~~surface portion of said first surface areas~~ area (3) in  
4 relation to a dimension said surface portion of said second  
5 surface areas (2) is chosen such that said jet burner has  
6 a given output.

1 **Claim 4 (currently amended):** The jet burner as  
2 defined in ~~one of the preceding claims~~ claim 1, WHEREIN  
3 wherein said jet burner with a round burner surface (1)  
4 with a diameter of 50 to 300 mm, ~~80 to 200 mm in~~  
5 particular, preferably 120 mm, has a nominal output of 0.5  
6 to 10 kW, ~~preferably 1 to 5 kW, 1 to 3 kW in particular.~~

**Claims 5-6 (cancelled)**

1 **Claim 7 (currently amended):** The jet burner as  
2 defined in one of the preceding claims, ~~WHEREIN said burner~~  
3 ~~surface (1) is formed of nests (3)~~ wherein said masses of  
4 foam ceramics ~~(first surface areas)~~ received in a massive  
5 ceramic plate ~~(2) (second surface area)~~ by gluing of said  
6 nets are glued into openings of said ceramic plate ~~or~~  
7 ~~integral formation of said foam ceramics with said massive~~  
8 ~~ceramic plate, in particular.~~

1 **Claim 8 (currently amended):** The jet burner as  
2 defined in ~~one of the preceding claims~~ claim 2, WHEREIN

3        wherein said first surface areas (3) have different sizes  
4        and/or shapes.

1            **Claim 9 (currently amended):**    The jet burner as  
2        defined in ~~one of the preceding claims~~ claim 2, ~~WHEREIN~~  
3        wherein said first surface areas (3) are formed such and/or  
4        are distributed in said burner surface that uniform heating  
5        is guaranteed over the surface heated by said burner.

1            **Claim 10 (currently amended):**    A method for  
2        manufacturing a jet burner for gaseous fuels, ~~as defined in~~  
3        ~~one of the preceding claims in particular, WHEREIN~~  
4        comprising a burner surface permeable by a gaseous fuel and  
5        on which said gaseous fuel burns, said burner surface  
6        comprising first surface areas provided on masses of foam  
7        ceramic, said first surface areas being permeable by said  
8        gaseous fuel, and second surface areas provided on a  
9        ceramic plate, said ceramic plate being impermeable by said  
10       gaseous fuel, and said ceramic plate being larger than said  
11       masses of foam ceramic, wherein said masses of foam ceramic  
12       are held in said ceramic plate, the method comprising steps  
13       of:

14            selecting a first heat-resistant material that will be  
15        permeable ~~for by~~ the fuel after completion of the method ~~is~~  
16        selected,

17            selecting a second heat-resistant material after

18 ~~completion that will be impermeable for by~~ the fuel, ~~is~~  
19 ~~selected, after completion of the method and~~ which can be  
20 connected with said first material,

21 manufacturing a planar form from said second material  
22 ~~a preferably planar form is manufactured in which~~  
23 ~~particularly uniformly distributed a multitude having a~~  
24 plurality of uniformly distributed openings, the openings  
25 being small with respect to the entire surface of the  
26 ~~preferably planar form is provided for,~~

27 forming planar forms ~~wherein~~ from said first material,  
28 said preferably planar forms being complementary to said  
29 ~~openings are formed, and~~

30 mounting said planar forms of said first material  
31 ~~which are mounted in~~ said openings so that a burner  
32 surface is created.

1 **Claim 11 (currently amended):** The method as defined  
2 in claim 10[[8]], ~~WHEREIN wherein~~ ~~as first material a~~  
3 foamed plastic soaked with liquid ceramic mass is selected  
4 as the first material, ~~polyurethane in particular, and as~~  
5 ~~second material a condensed ceramic mass is chosen~~ selected  
6 as the second material, and wherein after said step of  
7 mounting, ~~insertion of said first material into the~~  
8 ~~openings of said second material~~ the thus created compound  
9 is burned so that ~~of said first material~~ porous foam  
10 ceramics of the first material ~~is created~~ integrally

11 incorporated into a ~~massive~~ ceramic plate of the second  
12 material.

1 Claim 12 (currently amended): A method for  
2 manufacturing a jet burner for gaseous fuels, ~~as defined in~~  
3 ~~one of the claims 1 to 9, WHEREIN~~ comprising a burner  
4 surface permeable by a gaseous fuel and on which said  
5 gaseous fuel burns, said burner surface comprising first  
6 surface areas provided on masses of foam ceramic, said  
7 first surface areas being permeable by said gaseous fuel,  
8 and second surface areas provided on a ceramic plate, said  
9 ceramic plate being impermeable by said gaseous fuel, and  
10 said ceramic plate being larger than said masses of foam  
11 ceramic, wherein said masses of foam ceramic are held in  
12 said ceramic plate, the method comprising steps of:

13 manufacturing a planar form from a heat-resistant  
14 material permeable ~~for to~~ the fuel ~~a planar form is~~  
15 manufactured; and

16 sealing the planar form ~~which is sealed in a given~~  
17 ~~regions, in a matrix region in particular, region which~~  
18 surrounds a plurality of ~~in particular~~ uniformly  
19 distributed regions that are small in relation to the  
20 entire surface of said planar form so that a burner surface  
21 is created comprising one or several first surface areas  
22 (3) permeable for the fuel as well as ~~one or several a~~  
23 plurality of second surface areas (2), ~~a matrix region in~~

24     ~~particular,~~ which due to sealing are impermeable for the  
25     fuel.

1             **Claim 13 (new):** The jet burner as defined in claim 1,  
2     wherein said masses of foam ceramics are formed integrally  
3     with said ceramic plate.